



ABSTRACT OF THE DISCLOSURE

A sensing apparatus and method for use in the optical absorption analysis of the NO₂ content of a gas sample. The apparatus and method employ radiation from a semiconductor radiation source. The emission spectrum of the radiation has a maximum wavelength of about 600 nm, preferably 380 - 520 nm. The radiation is passed through the gas sample and sensed by a detector to provide an output signal indicative of the NO₂ content of the gas sample. A pair of alternately energized radiation sources may also be used. The sensor apparatus and method may be employed in conjunction with other gas sensing apparatus and methods, such as IR CO₂ measurement or NO sensing.

006260/019/960